

Converting Colors

$Y_{xy}(76.5293, 0.4118, 0.2767)$

Have a look what the booklet for
Yxy(76.5293, 0.4118, 0.2767)
contains.

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Color

Yxy(53.3376, 0.3350, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E9
RGB	255, 163, 233
RGB Percent	100%, 64%, 91%
CMY	0.0000, 0.3607, 0.0864
CMYK	0.00, 0.36, 0.09, 0.00
HSL	314°, 100%, 82%
HSV	314°, 36%, 100%
XYZ	69.0421, 53.3376, 83.7161
YIQ	198.4880, 32.3620, 41.2740

Conversions

Conversions Part 2

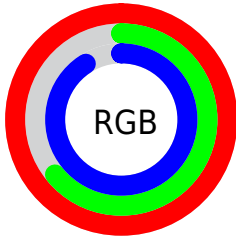
Format	Color
R _Y B	255, 163, 233
Decimal	16753641
CIE Lab	78.07, 43.97, -21.03
CIE LCh	78, 48.742, 334.445
Yxy	53.3376, 0.3350, 0.2588
Android (android.graphics.Color)	4294943721 (0xFFFFA3E9)
YUV	198.4880, 17.0144, 49.5610
Hunter-Lab	73.0326, 40.9397, -16.8404

Details

The Yxy color **53.3376, 0.3350, 0.2588** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.8124, 0.2964, 0.4116**, and the grayscale version is **56.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **25.9819, 0.3401, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **44.8343, 0.3432, 0.2400**, and if you desaturate by 10%, it is **63.6806, 0.3277, 0.2785**.

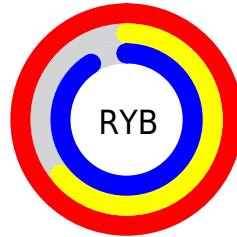
Distribution



Red (100%)

Green (64%)

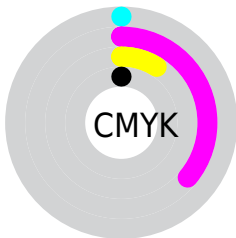
Blue (91%)



Red (100%)

Yellow (64%)

Blue (91%)

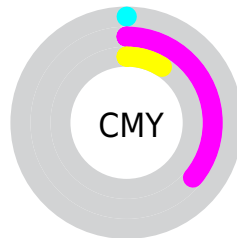


Cyan (0%)

Magenta (36%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3376, 0.3350, 0.2588 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 53.3376, 0.3350, 0.2588 by changing the saturation by 10% instead.


 53.3376, 0.3350,
0.2588

 53.3376, 0.3350,
0.2588


399.5790, 0.3251,
0.2909

 38.0723, 0.3372,
0.2516


 95.1010, 0.3316,
0.2699

 26.0388, 0.3398,
0.2427


 122.3678, 0.3303,
0.2742

 16.8527, 0.3430,
0.2316

154.4041, 0.3292,
0.2779

 10.1295, 0.3470,
0.2174

191.5940, 0.3281,
0.2812

 5.4849, 0.3521,
0.1984

234.3221, 0.3272,
0.2841

 2.5345, 0.3588,
0.1721

282.9727, 0.3264,

 0.8939, 0.3674,

0.2866

0.1339

337.9302, 0.3257,
0.2889

0.0000, 0.4079,
0.0000

0.0000, 0.0000,
0.0000

53.3376, 0.3350,
0.2588

53.3376, 0.3350,
0.2588

44.8343, 0.3432,
0.2400

63.6806, 0.3277,
0.2785

38.0571, 0.3522,
0.2232

75.9615, 0.3212,
0.2983

32.8846, 0.3617,
0.2093

90.2750, 0.3157,
0.3177

29.1783, 0.3715,
0.1994

100.0000, 0.3127,
0.3290

■ 26.7761, 0.3813,
0.1942

■ 25.4766, 0.3907,
0.1938

■ 25.1507, 0.3943,
0.1946

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.3376, 0.2709, 0.2340



53.3376, 0.3350, 0.2588



53.3376, 0.3985, 0.2986

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.3376, 0.3350, 0.2588



53.3376, 0.4021, 0.4351



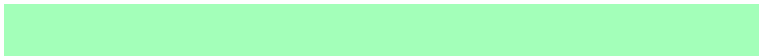
53.3376, 0.2021, 0.2908

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53.3376, 0.3350, 0.2588



82.8124, 0.2964, 0.4116

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.3376, 0.2302, 0.3553



53.3376, 0.3350, 0.2588



53.3376, 0.3446, 0.4479

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.3376, 0.3350, 0.2588



53.3376, 0.4376, 0.3956



53.3376, 0.2817, 0.4182



53.3376, 0.2002, 0.2471

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3376, 0.3350, 0.2588



53.3376, 0.4285, 0.3301



53.3376, 0.2817, 0.4182



53.3376, 0.2086, 0.3107

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53.3387, 0.3350, 0.2588



82.9655, 0.3183, 0.3082



43.6668, 0.2616, 0.2239



17.3464, 0.3191, 0.3056



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.3387, 0.3350, 0.2588



47.2599, 0.3406, 0.2457



51.0688, 0.3766, 0.3035



18.2216, 0.3175, 0.3111



13.1664, 0.3928, 0.1938



1.2990, 0.3828, 0.1883

Inverse Universe

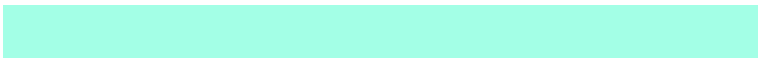
The Inverse Universe completely reimagines the original color for something new.



53.3387, 0.3350, 0.2588



47.2599, 0.3406, 0.2457



85.0471, 0.2735, 0.3567



18.2216, 0.3175, 0.3111



13.1664, 0.3928, 0.1938



1.2990, 0.3828, 0.1883

Previews

White Background



This preview shows how the Yxy color 53.3376, 0.3350, 0.2588 looks on a white background.

Color Contrast Check

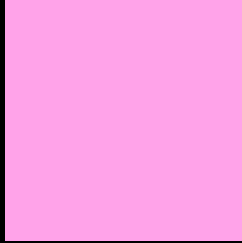
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 53.3376, 0.3350, 0.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

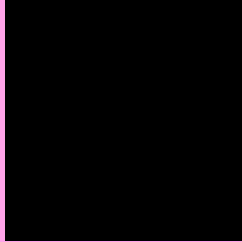
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3376, 0.3350, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 53.3376, 0.3350, 0.2588.



This preview shows how white text looks on a background with the Yxy color 53.3376, 0.3350, 0.2588.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53.3376, 0.3350, 0.2588

Protanopia

53.7006, 0.2612, 0.2574

Deuteranopia

53.5987, 0.2892, 0.2833



Tritanopia

53.1476, 0.3712, 0.3153

Trichromacy



Original Color

53.3376, 0.3350, 0.2588



Protanomaly

52.6807, 0.2841, 0.2566



Deuteranomaly

53.1074, 0.3048, 0.2733



Tritanomaly

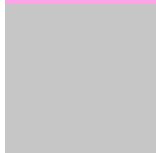
53.1494, 0.3581, 0.2944

Monochromacy



Original Color

53.3376, 0.3350, 0.2588



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

54.4611, 0.3207, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3376, 0.3350, 0.2588 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 163, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 233)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 163, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 233) }
```

Border

The CSS property to change the border of an element to Yxy 53.3376, 0.3350, 0.2588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 163, 233) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 163, 233) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 163, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3376, 0.3350, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 233) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
163, 233) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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